

Notice of Allowability

Application No.

09/919,006

Examiner

Adolfo Nino

Applicant(s)

GUSTINE ET AL.

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed 11/8/04.
2. ☒ The allowed claim(s) is/are 1-35 and 107-110.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of
Paper No./Mail Date 8/11/04.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date enclosed.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Scott Lundberg on 11/22/04.

The application has been amended as follows:

IN THE CLAIMS:

Claim 1 (Amended), line 3, before "slots" insert ---adjustable---

Claim 12 (Amended), line 4, before "slots" insert ---adjustable---

Claim 12 (Amended), line 5, before "slot" insert ---adjustable---

Claim 21 (Amended), line 5, before "slots" and "slot" insert ---adjustable---

Claim 21 (Amended), line 14, before "slots" insert ---adjustable---

Claim 24 (Amended), line 5, before "slots" insert ---adjustable---

Claim 24 (Amended), line 6, before "slot" insert ---adjustable---

Claim 32 (Amended), line 5, before "slots" and "slot" insert ---adjustable---

Allowable Subject Matter

Claims 1-35 and 107-110 are allowed.

The following is an examiner's statement of reasons for allowance:

With respect to claims 1-20, the cited prior art does not disclose, teach or suggest, alone or in combination, the combination of a receptacle for confining circuit cards to different locations within a housing, comprising: a frame comprising an array of adjustable slots, the frame being thermally coupled to the housing, a cam selectively engageable with the frame clamping the circuit cards within the frame and thermally coupling the circuit cards to the frame.

With respect to claims 24-29 and 31-35, the cited prior art does not disclose, teach or suggest, alone or in combination, the combination of a receptacle for confining circuit cards to different locations within a housing, comprising: at least one frame thermally coupled to the housing partitioned into first and second sub-frames and further partitioned by an array of adjustable slots, at least one cam selectively rotatably to clamp the circuit cards in the adjustable slots wherein the circuit cards are thermally coupled to the frame.

With respect to claim 30, as noted in Office Action filed 8/11/04, the cited prior art does not disclose nor teach, alone or in combination, the limitation therein of "wherein the force exerted on the first and second frames slides the first sub-frame of each of the first and second frames so that circuit cards of the first sub-frame of each of the first and second frames contact the first partition of each of the first and second frames and slides the first partition of each of the first and second frames into contact with the circuit cards of the second sub-frame of each of the first and second frames to clamp the circuit cards contained in the slots of the first sub-frame of each of the first and second frames between the first sub-frame and the first partition of each of the first and second

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frames and the circuit cards contained in the slots of the second sub-frame of each of the first and second frames between the first partition and the second sub-frame of each of the first and second frames” in combination with the other claim limitations.

With respect to claims 107-110, as noted in Office Action filed 8/11/04, the cited prior art does not disclose, teach, or suggest, alone or in combination, a receptacle for confining circuit boards comprising: at least one frame thermally coupled to the housing, each frame having at least one adjustable slot; at least one cam, wherein when the at least one cam applies a force on the frame, the size of the at least one adjustable slot is reduced to clamp a circuit card therein and thermally couple the circuit card to the frame.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Adolfo Nino whose telephone number is (571) 272-1981. The examiner can normally be reached on M-F (7:30-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dean A Reichard can be reached on (571) 272-2800 ext. 31. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AN

 11/28/04
DEAN A. REICHARD
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800